

# THE CARRIER

Vol. 6 MARCH 1958 Issue No. 3  
Published Monthly by the MOUNT DIABLO AMATEUR RADIO CLUB  
EDITOR: MARY ELLEN LORENZ, W6PIR

Pres. Ed Fox, W6OHR  
Vice Pres. Pete Weiben, W6EFI  
Sec. C. C. Applegate, W6BEP  
Treas. Wm. Parkinson, K6IMV  
E. C. Pete Peterson, W6LGW

THE REGULAR MONTHLY MEETING OF THE Mount Diablo Amateur Radio Club will be held this Friday, March 21, at 2000 hours (8:00PM PST) at the East Contra Costa Junior College. This month's business will discuss the many problems of 6 meter TVI suppression and how to eliminate it. Be sure to be there, especially you people who xmit on 6 Meters! Also AUCTION night for the Call Book! So bring your loot, too, and get in on the fun! See you there.

## BOARD MEETING:

The Board Meeting was held this month at the home of Pete Peterson, W6LGW, in "Upstairs" Alamo. Those in attendance were: W6OHR, EFI, BEP, PIR, LGW, IMV, ARF, VLH, AQ, and guest W6KTF. The meeting was called to order by Ed Fox, W6OHR. Field Day was discussed again, and the method of operation suggested by Phil Reibin, K6KRF, will be used. (one camp with alternate time for phone and CW.) Bud McDaniel, W6KTF was willing to take chairmanship of Field Day, if his vacation time will permit. We'll know about this next week so we can let you know for sure in the next issue.

Ed Fox, W6OHR, and John Hopkins, K6AQ, gave a report on the progress of our incorporation of the club. We will definitely have confirmation in writing very soon.

A motion was made, subject to the approval of Fred Caudel, W6DEX, that all official correspondence to the club should go to his address, which is 215 H Street, Martinez, California, home of Fred. This motion was made by Bill "Parky" Parkinson, K6IMV, and approved by the board. Now to find out what Fred sez!

Treasurer's report this month shows a balance of \$228.00 with only a few small outstanding bills.

(cont'd top of page)

(cont'd from bottom of page) Also, the Call Book subscription renewal (for the use of the TVI chairman) was ok'd for two more years. (This puts in before the increase in price, thus saving the club four dollars!) Old boat is auctioned off at meetings.

Parky, K6IMV, will also contact Fred Caudel, W6DEX on another matter this month, which is to obtain information on how the television interference was eliminated on the TV system used by the Television Transmission Incorporated in Martinez. This information is to be given to Mr. Milo Taler, W7QYE of Elco, Nevada, in answer to his letter asking for this data.

John Hopkins, K6AQ, reported that not much doing at this month's CORG meeting. No news is good news, we guess. Board members approved the printing of the By-Laws for the membership, and new members of MDARC. As soon as they are completed, each member of the club will receive his copy. Also, new ones to join will receive one at that time. Next board meeting will be held at the QTH of C. C. Applegate, W6BEP, as it happens to be Charlie's birthday, and we want to be sure he makes it to this meeting! Happy Birthday in advance, Chas! (39?)

Meeting adjourned with some hot coffee and the doughnuts supplied by Ed Fox, W6OHR. (And they were good, too!)

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CHIRPS:

MORE KEYCLICKSANDCHIRPS OVER HERE

K6OSO, Bill Parkinson, is quite active on ham-radio, and to pick up some extra TFC, he is acting as liaison between 75 fone and 80 CW now! He will be a candidate for BRAT & Brass Band member, too!

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OFFICIAL COMMUNICATION FROM W6OJW  
Bill Southwell, SCM, East Bay Section.

TO: O. W. Peterson, W6LGW, EC, and members of Mount Diablo Amateur Radio Club Emergency Net.

I wish to take this opportunity to congratulate you on your preparedness during the recent emergency in East Contra Costa County caused by heavy rains and high water. I am sincerely glad that heavy damage and loss of life did not occur as was the case in other parts of the State and Country. Your good work in coordination with the Civil Defense Headquarters in Martinez is something of which you can be proud. It gave Amateur Radio a boost in the right direction. Keep up the good work. You don't have to take your hats off to anyone.

Regards,  
B. W. Southwell  
W6OJW, SCM, EB

cc: W6CAN-SEC  
W1NJM-NEC

(We may also add that Bill wrote a very nice letter to W1NJM, George Hart, National Emergency Coordinator in West Hartford, Conn., giving him the run down of our local station activity. Watch QST, as perhaps they will agree with Bill, that our participation will merit mention!)

Many thanks to everyone who made the net a success when the emergency arose and thanks for your support.

From: W6LGW, Pete Peterson, E. C.

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REMEMBER you boys and girls who are active in advertising to THE CARRIER, if you sell the item, please send 50¢ in cash or stamps to THE CARRIER, Box 120, Alamo, Calif. to help offset expenses. Cheap at 1/2 the price! -Ec.

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Official relay stations!  
Bogdanoff, recently received official RRL appointment for this appointment, he is working regularly with NCN 80CW.

Bill Steedinger, recently decided to get into NCN also, as well as the net activities in the area, and wanted to get in on the activity will sure give some code speeds, too!) 3.365 mc.

Tom, sure surprised the NCN 80 CW net! She as RCS and who should check in with the net. She says, W6QEN, Jeri's old Novice days! Jeri says its a week. Now all she would like to have W6QEP, Elmer Hill come in a while too! (QEP, QEN and Elmer worked lots during the Novice days....how about it Elmer? 3635 KC

Gary Henderson reported to us that Tom and his brother, both passed their Novice exam! Congratulations, and let us know when you make those calls back! Lotsa luck to the air!

PHILIPIN...Tom Henderson received his Novice license...K6OAN, "Only a Novice...see you on the air, Tom!))....

ADDITIONAL TIME:  
Address of the following:  
B. W. Southwell  
B. W. Southwell  
B. W. Southwell, Atlantic 3-2219.....

Concord Road, Concord, Calif.  
Concord, Calif.

Concord Ave., Apt. A  
Concord, California - no phone  
Concord, 230 Jessie St., Manteca.

Technologies to any new members who we acknowledged here....will try to get the roster up to date soon and get the prices on the market! (10¢ each!))....(if any) to MDARC.....

S I L E N T   K E Y

THE CARRIER and the Mount Diablo Amateur Radio Club wish to express their sympathy to all the friends and family of Mr. Ray Cornell, W6JZ, who passed away suddenly February 23. Ray conducted code classes for many years on the CW bands, and we know that many of you will remember meeting him at the various ham-fests and conventions in the past. Ray was also a past Pacific Division Director of ARRL.

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 MORE NOISE FROM THE READERS:

Letters to the Editor.....

Dear Ed.-

Glad to see THE CARRIER is on the job! Certainly appreciated your letter. I guess it's about time I bring up to date my activities. Been really busy around here in the past few weeks. Rebuilding station and school work! Just about to fire up a 522 xmtr and rcvr on 2, if I get some rocks and an antenna. Had rcvr going since January but had power supply tble with xmtr, got it fixed now, tho. Solved the tble with the power supply from old Dumont TV (pardon the expression). Sure is the cheap way to get a good low voltage high current PS plus a bushel of miscellaneous parts! Wd like to say that the conversion of 522 would have been impossible without the help of Phil Reibin, K6KRF. Hope to have the 522 on real soon! Enjoy CARRIER. Wd like to see more "hints & kinks" and construction articles, stuff that wd have special local interest.

73's,

Wendell Peterson,  
 K6POU

(ok, Pete, you furnish some of those tech-articles and we'll print 'em! By the way, we will change the listing of your call on the roster...you are NOT a Novice! - Many tnx, Ed.-)

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HEY PELLERS, if any of you have any kind of technical stuff that you would like to see in THE CARRIER, sure would appreciate receiving it! This Ed.- doesn't think it sensible to reprint from QST or the like! How about some of your own ideas!....Maybe how you've licked your TVI problem or something!!

PACIFIC DIVISION CONVENTION is being taken by the reins at the Fresno area, and big plans are in store for this year! Be sure to keep JUNE 7 and open on your calendar and get down to the shindig! A new feature will be a traffic booth, showing and covering all phases and types of communication used by these TFC hounds. The booth will include all CW and fone operation and perhaps RTTY.

Next issue will have all the pertinent facts that we can obtain regarding the prizes and who to get in touch with for pre-registrations, etc. Plan to go and meet all your friends there, "eye-ball to eye-ball."

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MORA THE SAME

K6QXY, Bob Magnani and K6JPR, Brad Sage are experimenting with 430 mc. gear. They built up a rig running 25 watts to a 6J6 upside-down in a can of water. (no kiddin') and modulated by a Heathkit 8 watt audio amplifier. They're having great fun experimenting with different antenna arrays!

Using a 3 element beam on the rig the best DX so far is 50 feet....through a wall...to a receiver consisting of a Xtal diode across a set of earphones! The receiving antenna was two pieces of wire six inches long.

Steve McIntyre, K6OGT and Brad, K6JPR are in the process of converting two BC-645's for 430 mc. Look for a UHF RTTY link across Lafayette in the near future!

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THIS MONTH'S REPORTERS: FOR THE CARRIER (beside's letters to the Editor)

John Silkitis, W6FPS

George Roush

Bob Stevenson (Pres. Elec. Club at HQ)

Jeri Bey, W6QMO

and...

"Occupant, Box 645, Lafayette. (only he knows who he is, as no name shown on the news item - address only!) But many thanks anyway to everyone who has contributed this month! Don't stop!

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ASSEMBLY THIS MONTH:

Assembled CARRIER at QTH of W6LGW as

W6PIR, Alamo. Assemblers:

W6LGW, Pete Peterson; Joe Deas, K6LVB,

George Roush, Doug Lortsher, W6KLM, John

Hopkins, K6AQ, with some KYL's, too!

## DIXON FIELD TRIP NEWS:

"Hey, hold the Ferry! We're coming on in as fast as we can, and if we miss it we're sunk!"....."Ok, we'll drive slow, and see what we can do to stall." If you were listening on two meters Friday night, February 21, you would have heard such a conversation going on about 6:30 PM. Seems that for the Field Trip to Dixon to see the Voice of America station there, some of the boys and gals got together and decided to catch the 6:40 Ferry at Martinez. As it happened, W6QEN and W6FAR made it to the Ferry first, and asked the Capt. to hold the boat. W6LGW and K6PIL were racing on in from Martinez and would be there in just a minute. Well, they made it, but none too soon as after the Ferry took off, a very long passenger train was noticed, and if PIL and LGW had been two minutes later, they would have been stuck behind the train!

Mobilizing up to Dixon was lotsa fun, and we're sorry that not everyone could make the trip. W6QEN was on 2 and 75 so could keep us informed as to what W6DEX's position was! Also heard on 75 was K6QXY and K6IMV.

There was only one other mishap on the way up there. Newman Comfort, K6BQP had a flat tire and parked his car off the side of the road (in the mud) and hailed a ride with the next car full of hams to come up the road!

After we arrived and parked our cars around the building (and there was a bunch of cars!!) We were greeted by Bill Southwell, W6OJW, who had made the visit possible. A few of those who made the trip were:

W6's-EFI, NGL, CGS, WFR, OHR, DEX, QEP, NHT, AIL, PEL, BEP, QEN, HOF, NED, FAR, FKX, LGW, PIR; K6's-BQP, UJZ, DYW, PIL, VPC, ZWJ, DEJ, KRF, ILH, IMV, OBB, TPO, AXV, POR, YIG, UGR, YXU, JPR, QXY, SWA, JAY, JAV, LVM.

There were many others there also, visitors, and probably other hams and we just didn't get everyone's name, but we tried!

Most of the boys brought along the Xyl and family too.

After we had all come into the center of the lobby, Bill, W6OJW, divided us into three groups, for the tour. There must have been about 80 there visiting.

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Mr. Green and Mr. Shields, W6ZY, took two groups and Bill took the third. KNBH (the station identity) operates on many different frequencies and in many languages. For instance, if you can understand Japanese, Russian, Burmese, Vietnamese, Cantonese, Mandarin, Ukranian, Amoy, Indonesian, Korean, Thai, Bengali and of course, English, then you can catch some of the broadcasts in the foreign languages!

We won't attempt to say that the following is too accurate, but we did try to take notes on the visit, so you at home would be able to get something out of it, too! Anyway, Bill says that 60,000 volts come into the place from PG&E and then it's changed down to a mere 2300 volts. From there is down to 230 volts and then back up to 2300 volts DC. The high voltage 160KW modulators are encased in wire cages to protect visitors from "rf" burns! hi Talk about big rigs -you've never seen anything THIS BIG! Of course, someone asked Bill if they had any emergency power, and he said that for 2300 volts of power that would take a lot of power generators, and 2 acres of land!

Each group of panels is lighted with various kinds of lights and each one tells the operator just what's going on inside.

Each panel has it's own "Trouble Shooters" for finding a bad tube or circuit. Some of the larger tubes are water cooled. This water comes from large tanks in the back of the plant, and is recirculated throughout and returned to the tanks. The water is distilled by two distillary units. Bill says that the water coming from the tubes gets as hot as 120 to 160 degrees! And during the winter, the blowers in the back blow enough hot air from the Xmtr that the plant has it's own heating system. He says they can get the place up to 100 degrees without any trouble! The transformers (about three or four feet high) have brass ball spark-gaps on them for protection and these brass balls have to be polished every week. Sometimes, they have to be taken back to the lathe to remove the accumulated residue on them! And furthermore, the negative bias is only a mere 3KV on the modulator final!

(Continued - page five (.....))



(DIXON TRIP NEWS...continued from  
page four....) V. O. A.

Of course, the transmitters are Xtal controlled, and these crystals are kept in line by oven temperature control. They have a frequency counter (all electronic) which counts down to the gnats eyebrow what the freq. of a certain xmtr is. They have five xmtrs in all; KNBH 1, 2, 3, 4, & 5. Outside in the back is the antenna selector bay - a contraption about forty feet-high in a semi-circle. In the center of the circle is another ladder like arrangement (made out of what looks like telephone poles.) and with this they set the antennas to go to Asia, Russia, South America, or where ever they want.

Most of the tuning of these huge Xmtrs is done by oil circuit breaker relay arrangements and remote control tuning by motors geared to the instruments. Even VOA has TVI! Bill says he had to install a filter for KNBH so he cud watch the fights on Friday nights! This place is also equipped with a very fine first aid room, Kitchen, and laboratory.

We all had a wonderful time, and seeing the huge outlay of equipment has put all kinds of ideas in our head! But the "Wire" used in hooking up the circuits is made from copper tubing & the like! (sure nothing like the DX-35! ...ed.-)

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LETTERS TO THE EDITOR:

Dear Ed-: Thanks fer the letter PIR. Dave and I were notified by the FCC 12/31/57 that we had passed our Technicians exam. Dave Silkitis: W6LGS and...John Silkitis: W6FPS. General next (we hope)... Hope to be on 6 meters soon. Doug Lortsher is really booming out on 10: ask him, hi hi. Wendell Peterson, K6POU has converted a SCR 522, FB.. BCNU, John Silkitis, W6FPS.

(Thanks, John fer the card. Also, else- where is more from K6POU on the 522.Ed.)

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People DO read them!

SEND YOUR HAMADZ TO W6PIR, Box 121, Alamo, Calif. for publication herein. Deadline the second Friday of each mo.  
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FROM YOUR EC:

THIS IS OFFICIAL!.....Station Activity report sent to W6CAN, Wayne Clark, the Section Emergency Coordinator, ARRL. "The major activity this month was the stand-by called for by W6AIL, Bill Goheen (Liason officer between the Mt. Diablo Amateur Radio Club and Civil Defense Headquarters) at 4:30 PM, PST, (25/0030Z) February 24, 1958. He asked that all members of the Mt. Diablo Amateur Emergency Net standby for possible need of communications during the pending flood in the local area. Phil Reibin, K6KRF, and Bill Goheen, W6AIL, were both operating under the call W6AIL as net control station from headquarters. W6QEN, Miles Slape, was stationed at the County Garage in Mtz. receiving instructions from W6AIL, and dispatching trucks and sandbags to different locations. W6LGW, "Pete" Peterson, set up emergency power(generator) at his location in Alamo, in case of power failure. As the net members came home from work, they started to check in for emergency TFC if any. A good many mobiles reported sightings of higher water or flooding road condx. Instances of power failure were encountered throughout the county, but, for only short durations. During these failures, some operators went mobile, in order to keep in communications.. (K6IMV, Parky Parkinson, for one!) The regular check-in of the MDARC nets was conducted as usual (2 & 6 meters.) The following members checked in during roll call, and then stood by for any emergency traffic until the situation was declared clear: W6's- AIL, EDR, EFI, VNI, HOF, FKX, IHR, JYZ, KTF, LKE, LGW, PIL, PIR, QEN, RVC, K6's-ILH, IMV, IRB, JAV, JAY, KRF, VPC, ZPB, AQ, KYT, OCF/mobile, OGU, RMD/6, QXY, W6UFR.....Many thanks to you all and we hope that we didn't miss gettin' anyone's calls down! (NCS- 2 mtrs W6OHR; NCS- 6 mtrs W6CGS) After this regular check-in, W6AIL, located at CD headquarters, resumed as NCS on both 2 and 6 meters. Most of the TFC was between the NCS and the County Garage. However all the boys (and gals) were on hand to help out if necessary. K6OCF/mobile (located in the Berkeley Hills) who had checked in on 6 meters said that he would be glad

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(From your EC, continued from page five)

to drive ANYWHERE in Contra Costa Co. where mobile communications was needed. The state of Emergency was declared over and under control at 8:45 PM, PST (25/0445Z). 32 Stations Participated. Respectfully submitted by: W6LGW, O. W. Peterson, Alamo, as Emergency Coordinator, East Contra Costa County.  
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AREC FORM 7... ..  
Many thanks to you boys who have completed your AREC form 7 for W6LGW..... His file is still not yet complete, so if you have not sent in your FORM 7, do so today! If you don't have one, Pete, W6LGW, will be glad to forward one to you.  
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#### CALENDAR OF EVENTS:

- March 17 - Transmitter Hunt with Al Davis, K6KYT & Phil Reibin, K6KRF as the "bunnies."
- March 21 - Reg. monthly meeting of M D A R C
- April 1 - Nothing- "April Fool"
- April 7 - Transmitter Hunt
- April 8 - Board Meeting at W6BEP's QTH, C. Applegate, Alamo
- April 18 - Reg. meeting MDARC
- April 28 - Transmitter Hunt.

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FOUR YEARS AGO IN THE CARRIER.....  
January 1954, Issue No. 1, Vol. 2.....  
"Say guys---gess we'll have to put out the crying howl again for more personal news for the CARRIER, and get the stockpile out again to replenish. Sure would be nice if we could get a few phone calls on the land line once in a while from some of the hams in the two meter dept. or those in the DX-Fraternity. We'd like to make this little blurb as newsy as possible and circulate the dope."  
Looks like you fellows have been doing right well, by the request that Jack Lewis, W6IHR, made way back when. Tnx for the FB support!  
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Why on ham-ads this month? Call W6PIR And place your ad for the next issue!!

#### WHAT'S NEW IN OTHER CLUBS:

AREC..East Contra Costa Junior College (AREC in this case stands for Amateur Radio and Electronics Club!)

This radio club has about twenty members; four radio "hams" - Brad Sage, K6JPR, and Bob Magnani, K6QXY, and two others who are waiting for licenses to come through.

The Club has purchased a transmitter and is waiting for a receiver before it goes on the air.

This club has done a remarkable bit of electronic engineering: by installing a HI-FI set in the buildings of ECCJC! The HI-FI is a bi-naural (two channel) system consisting of several components: A Derlant Concertone bi-naural tape recorder, a Scott bi-naural tuner, a Regency preamplifier, a Garrard RC98 and two seventy watt amplifiers. These components drive 16 speakers thru-out the five rooms of the student activity building. Possibly the most outstanding feature concerning the installation is that it was completely designed and built by the club members. The cost of the complete installation when finished will be about \$2500.

The Amateur Radio and Electronics Club was organized three years ago to promote interest in amateur radio and electronics on campus. The club has been active in many campus affairs, and always manages to come up with some electronic demonstration to amaze the student body.

A dance is tentatively planned which will be given by the club to present the sound system to the student body and the members of the community. The dance will include the bi-naural features of the system that will allow two different kinds of music to be played at the same time, thereby making two separate dances out of one. There is a very strong chance that the date of MARCH 29 will be the date for the dance, but nothing definite can be said until Monday, March 17.....Watch for newspaper bulletins concerning this dance, so that you won't miss the demonstration and the fun!

Submitted by: Bob Stevenson, President Amateur Radio and Electronics Club ECCJC, Golf Links Road, Concord, Calif.  
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PACIFIC DIVISION CONVENTION June 7&8

# NEW CLUBS AGAIN:

Jack Lewis, W6IHR; Al Davis, K6KYT; Phil Reibin, K6KRF; and Mary Lorenz, W6PIR are going to have a meeting on next Wednesday, March 19, to see if they can form an Amateur Radio Club within the walls of their present employer's company: Aerojet-General Nuclear, in San Ramon. Jack and Phil will bring their two meter gonset for demonstration, and talk with Pete, W6LGW in Alamo, and possibly Bob, W6HOF in Concord. The meeting will take place at 12:00 noon, so if you are at home on 2 meters, check in with the bunch! Aerojet-General Corporation in Azusa, California has quite a large active "ham-Club" and it is the hope of the AGN hams, to be able to grow and later communicate with AGC! No name has been decided upon as yet, but for the time being, the officers are self appointed as follows: Jack, W6IHR as President; Al Davis, K6KYT, as Vice-President; Phil Reibin, K6KRF, as the Treasurer; and M. Lorenz, W6PIR, as Secretary. Maybe the AGN club can run their rig on nuclear power! hi.....

## VISITORS:

This month W6QMO, Jeri Bey, Manager of NCN (80 meter CW TFC net) made a visit out to Alamo to see W6PIR, Mary Lorenz. Talking eye-ball to eye-ball was much more effective than using the key, any day! Jeri contributed many of this month's news items, and promised to exchange her "NCN BEAT NOTES" paper with THE CARRIER, so we can glean some more news from that for you, too! By the way, anyone interested in the NCN 6 meter division (50.85 mc Monday, Wednesday & Friday at 6:30PM PST) can contact W6PIR locally for more information! This is a phone net which will have liasons to the other various TFC nets, for better handling of the msgs. Call W6PIR, at VERNON 7-2872.....

## FOR SALE:

One 474-A Transmitter and receiver combination. 75 phone, 80 CW. Very good for portable work. All encased and compact. Power supply for the receiver is included.....\$30.00  
One PE-103 dynamotor, with two 6 volt relays. Can be used either on 6 or 12 volts...all set to plug in.....\$15.00  
Call Pete, W6LGW, VERNON 7-2872.....

# LAST MONTH'S XMTR HUNT:

Last month's transmitter hunt, which should have gone off on sked on Monday night, February 24, was cancelled due to the rainstorms and temporary standby called for by W6AIL. However, this Monday's hunt is going on as planned, with Al Davis, K6KYT and Phil Reibin, K6KRF at the controls! Al & Phil have promised that this hunt is one well calculated to get you out on a ten-mile drive! We shall see!

## OTHER PAPERS:

Rose Buckley, XYL of W6GGC, has received a copy of a bulletin from Don Burr, W6WME, the editor of SKIP, the Fresno Amateur Radio Club paper. This notice she forwarded on to THE CARRIER, as Don wants to know if some of the East Bay Clubs want to exchange papers, and ideas! Don gives permission to reprint any item appearing in SKIP in our own papers! This looks like a good idea, so this month's issue is off to Fresno! (June's issue will be taken down there in person!)

We have also received the San Francisco Radio Club news, which is edited by Rose Buckley, as an exchange paper! "ON THE BEAM" is the club paper for the North Bay Amateur Radio Association in Vallejo, edited by Don Bussear, K6UJS, and from their paper, we see that the club up there has auctions, too, with a twist. A fellow sells some of his ham gear at the auction, and 15% of the sale price goes to the club treasury. This paper sent to W6BEP, Secretary.

"SAN MATEO RADIO CLUB, INC." has also forwarded it's club paper, with Ted, K6HGO as the new editor. Right now their paper consists of more ham-ads than news, which is ok, as we don't have many ham-ads ourselves this time! This paper was forwarded to THE CARRIER by John Hopkins, K6AQ.

Another issue of "OVER MODULATION" was received from the Pointsettia Radio Club in Ventura.

These issues mentioned above will be available at the club meeting so that you can take a look at them, to see what other clubs are doing!

Hi gang:

This is just a personal letter from yours truly, the Editor of this little rag. Would like to request that if any of you have some of the way back issues of THE CARRIER, (say in 1953 or thereabouts) would surely appreciate your donation toward the club library. We would like to have every issue ever printed to keep in the club's files. Look in your desk, or around the shack and if you come up with any prior to 1954 or even later, please contact me. Let's keep the library up to date for THE CARRIER. Also, old issues or extra ones of QST will be appreciated to, as one day we may have our own club-house (although the JC is just fine for the time being) but maybe some day someone will bequeath us a plot of land and a shack on it, and at that time we can set up housekeeping with a complete club library. Hoping to hear from you, on this or any subjects, I am your editor,

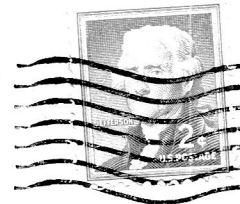
*M. E. Lorenz*

Mary E. Lorenz  
W6PIR  
Box 121, Alamo, Calif.  
Vernon 7-2872

P. S. Many thanks again to all the contributors of this month's issue!

(FLASH...LATE BULLETIN...Grant Henderson, Gary Henderson's (K6ZNH) brother, just received his novice license from FCC, which is **K6OLC**. Congrat's to you, Grant, and we'll be looking for you on the air soon, too! What a ham-family! Ed.-)

THE CARRIER  
P. O. Box 121  
Alamo, California.



Fred Reibin, W6PIR  
3239 Judith Lane  
Lafayette, California

TO: